

Abstract of the Invention

The present invention discloses an architecture that enables anonymous electronic voting over the Internet using public key technologies. This invention provides a simple yet robust architecture for electronic voting over the unsecured network that is the Internet, using the public and private key pair belonging to the voting entity, not a separate userid and password for each election. In the voting method of the present invention, a voting entity requests a ballot using a public key and a private key belonging to the voting entity. The request is made to a voting mediator. Using a separate public key/private key pair, the voting mediator validates the voting ballot request. After validation of the request, the voting mediator generates an election ballot. The voting mediator sends this ballot to the voting entity. The voting entity casts a vote and sends the ballot to the voting tabulator. The voting tabulator authenticates the ballot and counts the vote.